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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

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APPLICANT Sridhar Kris	hna Rabindran,
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ΛQ	Dietel, M., et al. Cancer Res., 50, 6100-6106, 1990
 ΛR	 Rubinstein, L.V. et al, J. Nat. Cancer Inst., 82, 1113-1117, 1990
AS	 Faulds, D., et al, Drugs, 41, 400-449, 1991

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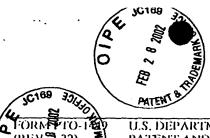
#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	ΛQ	Cowan, J.D. et al, J.Nat. Canc.Inst., 83, 1077-1084, 1991	
,	AR	Taylor, C.W. et al, Br.J.Cancer, 63,923-929, 1991	
	AS	Harker, W.G. et al, Blochemistry, 30, 9953-9961, 1991	

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APPLICANT Sridhar Krishna Rabindran, Haiyin He, Maya Prakash Singh, Lee

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#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	ΛQ	Arceici, R.J. et al., Cancer Res., 53, 310-317, 1993
<del></del>	ΛR	Greenberger, L.M., et al., In Vitro Models of Multiple Drug Resistanc
	<u> </u>	 and L.J. Goldstein and R.F. Ozols, Editor Kluwer Academic Publishers,
	۸۶	Norwell, MA, 69-106, 1994
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	ΛR	Kluwer Academic Publishers, Norwell, MA 149-165, 1994
	ΛS	Zhang, X.P., et al, Oncol. Res., 6, 291-301, 1994
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### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ΛQ	Futscher, B.W. et al, Blochem. Pharmacol., 47, 1601-1606, 1994
AR	Flens, M.J. et al, Cancer Res., 54, 4557-4563, 1994
AS	Leter, I., et al, J. Biol.Chem, 269, 27807-27810, 1994

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	3.	O'Malley, Gerard J. et al, Tetrahedron Lett. (1987), 28(11), 1131-4.	<del>                                     </del>			
·	4.	Bailey, Patrick D., et al, Tetrahedron Lett. (1989), 30(46), 6421-2.	<del> </del>			
	5.	Bailey, Patrick D. et al, J.Chem.Soc., Perkin Trans. 1 (1993), (4), 451-8.	<del>                                     </del>			
	6.	Cui, Cheng-Bin. et al, J. Antibiot. (1996), 49(6), 527-533.	<del>                                     </del>			
	7.	Cui, Cheng-Bin, et al, Tetrahedron (1996), 52(39), 12651-12666.	$\vdash$			
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	5.	Bailey, Patrick D. et al, J.Chem.Soc., Perkin Trans. 1 (1993), (4), 451-8.				
	6.	Cui, Cheng-Bin. et al, J. Antibiot. (1996), 49(6), 527-533.				
	7.	Cui, Cheng-Bin, et al, Tetrahedron (1996), 52(39), 12651-12666.				
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